

FIG. 1

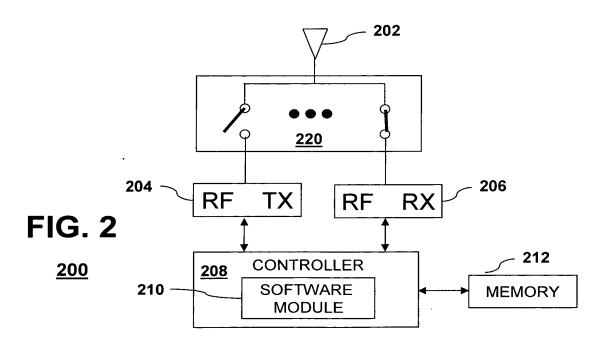


FIG. 3

1 Megabyte 2 Megabyte 2 Megabyte 4 Megabyte 256K JAVA HEAP 512 640K 512 JAVA HEAP JAVA HEAP JAVA HEAP 80K UNUSED APPS' 200K UNUSED 250K UNUSED 670K **400K UNUSED APPS APPS** 1.3 M 1.25 M **APPS** 3 M

## FIG. 4 400

RECEIVING A SIGNAL (SUCH AS A DATA PACKET OR A LAYER 3 MESSAGE TO A SPECIFIC SUBSCRIBER TO ENABLE THE JAVA HEAP TO ACCESS ADDITIONAL MEMORY) OVER THE AIR INDICATING A REALLOCATION OF NON-REMOVABLE MEMORY IN THE COMMUNICATION DEVICE

REALLOCATING THE NON-REMOVABLE MEMORY IN ACCORDANCE WITH THE SIGNAL REALLOCATING MEMORY AT LEAST BETWEEN A RAM AND A JAVA HEAP WITHIN THE COMMUNICATION DEVICE 406 REALLOCATING MEMORY BETWEEN FDI BLOCKS AND A DAV SPACE OF A FLASH MEMORY DEVICE 408 410 -REVISING A MEMORY MAP FOR THE NON-REMOVABLE MEMORY 412 -LOADING AN APPLICATION REQUIRING A LARGER JAVA HEAP THAN THE JAVA HEAP INITIALLY SHIPPED WITH THE COMMUNICATION DEVICE. 414 -PROVIDING HIGH-SPEED ACCESS BETWEEN THE NON-REMOVABLE MEMORY AND A PROCESSOR WITHIN THE COMMUNICATION DEVICE BILLING A SUBSCRIBER OF A SERVICE USING THE COMMUNICATION DEVICE FOR THE STEP OF REALLOCATING THE MEMORY. 416